

**LIST OF REFERENCES CITED BY APPLICANT**

(Use several sheets if necessary)

|                             |                   |
|-----------------------------|-------------------|
| <b>Application Number</b>   | 10/602,691        |
| <b>Filing Date</b>          | June 20, 2003     |
| <b>First Named Inventor</b> | Sommadossi et al. |
| <b>Art Unit</b>             | 1623              |
| <b>Examiner Name</b>        | T.McIntosh III    |
| <b>Attorney Docket No.</b>  | 11874-043-999     |

**U.S. PATENT DOCUMENTS**

| *Examiner Initials | Cite No. | Document Number – Kind Code | Publication Date mm/dd/yyyy | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|----------|-----------------------------|-----------------------------|---|---|
|                    | A01      | 3,074,929                   | 01/22/63                    | Hitchings, et al.                               |   |
|                    | A02      | 4,022,889                   | 05/01/77                    | Bannister et al.                                |   |
|                    | A03      | 4,058,602                   | 11/01/77                    | Beisler et al.                                  |   |
|                    | A04      | 4,239,753                   | 12/01/80                    | Skulnick et al.                                 |   |
|                    | A05      | 5,246,924                   | 09/01/93                    | Fox, et al.                                     |   |
|                    | A06      | 5,256,797                   | 10/26/93                    | Chou, et al.                                    |   |
|                    | A07      | 5,539,116                   | 07/23/96                    | Liotta, et al.                                  |   |
|                    | A08      | 5,565,438                   | 10/15/96                    | Chu, et al.                                     |   |
|                    | A09      | 5,567,688                   | 10/22/96                    | Chu, et al.                                     |   |
|                    | A10      | 5,587,362                   | 12/24/96                    | Chu, et al.                                     |   |
|                    | A11      | 6,458,772                   | 10/01/02                    | Zhou, et al.                                    |   |
|                    | A12      | 6,458,773                   | 10/01/02                    | Gosselin, et al.                                |   |
|                    | A13      | 6,596,700                   | 07/22/03                    | Sommadossi, et al.                              |   |
|                    | A14      | 6,642,206                   | 11/01/03                    | Ramasamy et al.                                 |   |
|                    | A15      | 6,833,361                   | 12/21/04                    | Hong, et al.                                    |   |
|                    | A16      | 6,946,115                   | 09/20/05                    | Erion, et al.                                   |   |
|                    | A17      | 6,949,522                   | 09/27/05                    | Otto, et al.                                    |   |
|                    | A18      | 6,965,066                   | 11/15/05                    | Jiang, et al.                                   |   |
|                    | A19      | 7,144,868                   | 12/05/06                    | Roberts, et al.                                 |   |
|                    | A20      | 7,151,089                   | 12/19/06                    | Roberts, et al.                                 |   |
|                    | A21      | 7,157,434                   | 01/02/07                    | Keicher, et al.                                 |   |
|                    | A22      | 11/644304                   | 12/22/06                    | Mayes, et al.                                   |   |
|                    | A23      | 2002/0156030                | 10/24/02                    | Ramasamy et al.                                 |   |
|                    | A24      | 2003/0220290                | 11/27/03                    | Gosselin, et al.                                |   |
|                    | A25      | 2004/0006002                | 01/08/04                    | Sommadossi, et al.                              |   |
|                    | A26      | 2005/0137161                | 06/23/05                    | Sommadossi, et al.                              |   |
|                    | A27      | 2006/0166865                | 07/27/06                    | Sommadossi, et al.                              |   |

LAI-3012156v1

**EXAMINER  
SIGNATURE****DATE CONSIDERED**

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**LIST OF REFERENCES CITED BY APPLICANT**

(Use several sheets if necessary)

|                             |                   |
|-----------------------------|-------------------|
| <b>Application Number</b>   | 10/602,691        |
| <b>Filing Date</b>          | June 20, 2003     |
| <b>First Named Inventor</b> | Sommadossi et al. |
| <b>Art Unit</b>             | 1623              |
| <b>Examiner Name</b>        | T.McIntosh III    |
| <b>Attorney Docket No.</b>  | 11874-043-999     |

**U.S. PATENT DOCUMENTS**

| *Examiner Initials | Cite No. | Document Number – Kind Code | Publication Date mm/dd/yyyy | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|----------|-----------------------------|-----------------------------|---|---|
|                    | A28      | 2006/0199783                | 09/01/06                    | Wang, et al.                                    |   |
|                    | A29      | 2007/0060503                | 03/15/07                    | Gosselin, et al.                                |   |
|                    | A30      | 2007/0060504                | 03/15/07                    | Gosselin, et al.                                |   |

**FOREIGN PATENT DOCUMENTS**

| *Examiner Initials | Cite No. | Foreign Patent Document Country Code, Number, Kind Code (if known) | Publication Date mm/dd/yyyy | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T |
|--------------------|----------|--|-----------------------------|---|---|---|
|                    | B01      | DE 1919307   | 01/14/71                    | Niedballa, et al.                               |   |   |
|                    | B02      | DE 2122991   | 11/16/72                    | Vorbruggen, et al.                              |   |   |
|                    | B03      | DE 2508312   | 09/02/76                    | Vorbruggen, et al.                              |   |   |
|                    | B04      | EP 0288847   | 04/16/88                    | Dobler, et al.                                  |   |   |
|                    | B05      | EP 0494119   | 01/03/92                    | Belleau, et al.                                 |   |   |
|                    | B06      | FR 1521076   | 04/12/68                    | Walton  |   |   |
|                    | B07      | FR 1581628   | 09/19/69                    | Merck & Co. Inc.                                |   |   |
|                    | B08      | FR 2662165   | 11/22/91                    | Univ. Pier et Curie                             |   |   |
|                    | B09      | GB 1163102   | 09/04/69                    | Merck & Co. Inc.                                |   |   |
|                    | B10      | GB 924246  | 04/24/63                    | Wellcome Foundation, Ltd.                       |   |   |
|                    | B11      | GB 984877  | 03/03/65                    | Zellstofffabrik Waldhof                         |   |   |
|                    | B12      | JP 06228186  | 08/16/94                    | Yamasa Shoyu Co., Ltd.                          |   |   |
|                    | B13      | JP 48048495  | 09/21/71                    | Kojin Co. Ltd.                                  |   |   |
|                    | B14      | JP 61263996  | 11/21/86                    | Boryung Pharmaceutical Co. Ltd.                 |   |   |
|                    | B15      | JP 63215694  | 09/08/88                    | Yamasa Shoyu Co. Ltd.                           |   |   |
|                    | B16      | JP 71021872  | 03/30/68                    | Sankyo Co., Ltd.                                |   |   |
|                    | B17      | WO 92/015308   | 09/17/92                    | Wellcome Foundation, Ltd.                       |   |   |
|                    | B18      | WO 92/018517   | 10/29/92                    | Cheng, et al.                                   |   |   |
|                    | B19      | WO 01/032153   | 10/05/08                    | Biochem Pharma                                  |   |   |

LA1-3012156v1

**EXAMINER  
SIGNATURE****DATE CONSIDERED**

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**LIST OF REFERENCES CITED BY APPLICANT**

(Use several sheets if necessary)

|                             |                  |
|-----------------------------|------------------|
| <b>Application Number</b>   | 10/602,691       |
| <b>Filing Date</b>          | June 20, 2003    |
| <b>First Named Inventor</b> | Sommadosi et al. |
| <b>Art Unit</b>             | 1623             |
| <b>Examiner Name</b>        | T.McIntosh III   |
| <b>Attorney Docket No.</b>  | 11874-043-999    |

**FOREIGN PATENT DOCUMENTS**

| *Examiner Initials | Cite No. | Foreign Patent Document Country Code, Number, Kind Code (if known) | Publication Date mm/dd/yyyy | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T |
|--------------------|----------|--|-----------------------------|---|---|---|
|                    | B20      | WO 03/081899   | 06/26/03                    | Ribapharm Inc.                                  |   |   |
|                    | B21      | WO 03/106577   | 12/24/03                    | Weikard, et al.                                 |   |   |
|                    | B22      | WO 04/023921   | 03/25/04                    | Kim   |   |   |

**NON PATENT LITERATURE DOCUMENTS**

| *Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), when appropriate, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.                                  | T |
|--------------------|----------|---|---|
|                    | C01      | AFDHAL, et al., Enhanced antiviral efficacy for valopicitabine plus PEG-interferon in hepatitis C patients with HCV genotype-1 infection. <i>Journal of Hepatology</i> 2005, Vol. 42, Supplement 2, p. 39-40.   |   |
|                    | C02      | ALTMANN, et al., The Effects of 2'- and 3'-Alkyl Substituents on Oligonucleotide Hybridization and Stability, <i>Biorganic &amp; Medicinal Chemistry Letter</i> . 1994, 4, No. 16. 1969-74.   |   |
|                    | C03      | BEIGELMAN et al., "New synthesis of 2'-C-methylnucleosides starting from D-glucose and D-ribose" <i>Carbohydrate Res.</i> , 1987, 166, 219-232  |   |
|                    | C04      | CAVELIER, F., et al., "Studies of Selective Boc Removal in the Presence of Silyl Ethers," <i>Tetrahedron Letters</i> , 37: 5131-5134 (1996).  |   |
|                    | C05      | CHEN et al., <i>Heterocycles</i> , vol. 28, no. 2, 1989, pp.593-601   |   |
|                    | C06      | CLARK, et al., Synthesis and antiviral activity..., <i>Biorganic &amp; Medicinal Chemistry Letters</i> , 16, 2006, 1712-1715.   |   |
|                    | C07      | DANIELS et al., "Tautomerism of Uracil and Thymine in Aqueous Solution: Spectroscopic Evidence". <i>Proc. Nat. Acad. Sci. USA</i> , Vol. 69, no. 9, pp. 2488-2491, 1972.  |   |
|                    | C08      | FARQUHAR et al., "Biologically reversible phosphate-protective groups," <i>J. Pharm. Sci.</i> , 1983, 72(3): 324  |   |
|                    | C09      | FRANCESCO, et al. <i>Antiviral Research</i> 58 (2003) 1-16  |   |
|                    | C10      | GEROTTO, et al., Effect of retreatment with interferon alone or interferon plus ribavirin on hepatitis C virus quasispecies diversification in nonresponder patients with chronic hepatitis C. <i>Journal of Virology</i> , September 1999, Vol. 73, No. 9, p. 7241-7247. |   |
|                    | C11      | GRUNNAGEL, et al., "Preparation of D-Tagatose." <i>Justus Liebigs Annalen der Chemie</i> (1969), 721: 234-5.  |   |
|                    | C12      | HATTORI, H. et al., "Nucleosides and Nucleotides 158" <i>Journal of Medicinal Chemistry, American Chemical Society</i> , Vol. 39, 1996, pp. 5005-5001   |   |
|                    | C13      | HODGE, et al., "Amadori Rearrangement Products." <i>Methods in Carbohydrate Chemistry</i> (1963), 2: 99-107.  |   |
|                    | C14      | HU, et al., Viral, host and interferon-related factors modulating the effect of interferon therapy for hepatitis C virus infection. <i>Journal of Viral Hepatitis</i> , 2001, Vol. 8, p. 1-18.  |   |
|                    | C15      | KERR, S.G., et al., "N-(Dialkylamino)Methylene Derivatives of 2'-Deoxycytidine and Arabinocytidine: Physicochemical Studies for Potential Prodrug Applications." <i>J. Pharm. Sci.</i> , 83(4): 582-586 (April 1994).   |   |
|                    | C16      | KOHN, et al., "A new method for the synthesis of furanose derivatives of aldohexoses," <i>J. Am. Chem. Soc.</i> , 1965, 87(23): 5475-80   |   |

LAI-3012156v1

**EXAMINER  
SIGNATURE****DATE CONSIDERED**

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

# **LIST OF REFERENCES CITED BY APPLICANT** (Use several sheets if necessary)

|                             |                  |
|-----------------------------|------------------|
| <b>Application Number</b>   | 10/602,691       |
| <b>Filing Date</b>          | June 20, 2003    |
| <b>First Named Inventor</b> | Sommadosi et al. |
| <b>Art Unit</b>             | 1623             |
| <b>Examiner Name</b>        | T. McIntosh III  |
| <b>Attorney Docket No.</b>  | 11874-043-999    |

## **NON PATENT LITERATURE DOCUMENTS**

| *Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.                  | T |
|--------------------|----------|---|---|
|                    | C17      | McFARLIN, et al., J. Am. Chem. Soc. 1958, 80, 5372-76.  |   |
|                    | C18      | SCHEIBLER, C., "Ueber das Saccharin und die Saccharinsäure," Chemische Berichte, 13:2212-2217 (1880). In German.  |   |
|                    | C19      | SHALABY, et al., "Conformations and Structure Studies of Sugar Lactones in the Solid State. Part II. The Molecular Structure of $\alpha$ -D-Glucosaccharino-Y-Lactone: 2-C-Methyl-D-Ribo-Pentono-1,4-lactone." Carbohydrate Research (1994), 264(2), 191-8. |   |
|                    | C20      | SHI, et al., Synthesis and in vitro Anti-HCV Activity of $\beta$ -d- and 1-2'-Deoxy-2'-Fluororibonucleosides, Nucleosides, Nucleotides & Nucleic Acids 2005, Volume 23, Numbers 5-7, pp. 875-879.   |   |
|                    | C21      | SINKO, et al., Carrier-Mediated Intestinal Absorption of Valacyclovir, the L-Valyl Ester Prodrug of Acyclovir. BIOPHARMACEUTICS & DRUG DISPOSITION 1998, Vol. 19, pp. 209-217.  |   |
|                    | C22      | SINKULA et al., "Rationale for design of biologically reversible drug derivatives: prodrugs," J. Pharm. Sci., 1975,64: 181-210  |   |
|                    | C23      | SUNDBERG, et al., Advanced Organic Chemistry, Part b, 1990, pages 232 and 236.  |   |
|                    | C24      | WALTON et al., "Branched-chain sugar nucleosides. A new type of biologically active nucleoside," J. Am. Chem. Soc., 88(19): 4524-25 (1966)  |   |
|                    | C25      | WU, et al., Targeting NS5B RNA-dependent RNA polymerase for anti-HCV chemotherapy. Current Drug Targets - Infectious Disorders 2003, Vol. 3, p. 207-219.  |   |
|                    | C26      | ZEDECK et al., "Inhibition of the steroid induced synthesis of $\Delta 5$ -3-ketosteroid isomerase in Pseudomonas testosteroni by a new purine deoxyribonucleoside analog: 6-chloro-8-aza-9-cyclopentylpurine," Mol. Phys., 3(4):386-95 (1967)              |   |
|                    | C27      | ZHOU, et al., Pharmacokinetics and pharmacodynamics of valopicitabine. Journal of Hepatology 2005, Vol. 42 (Suppl. 2), p. 229.  |   |
|                    | C28      | ZINCHENKO, et al., "2', 3' & 5' - uridine methyl derivatives in microbiological transfection." Doklady Akad. Nauk v.297(3), pp. 731-734 (1987).   |   |
|                    | C29      | Office Action dated October 1, 2003 from application number 09/863,816.   |   |
|                    | C30      | Notice of Allowance dated June 23, 2004 from application number 09/863,816.   |   |
|                    | C31      | Office Action dated August 27, 2003 from application number 09/864,078.   |   |
|                    | C32      | Notice of Allowance dated February 19, 2004 from application number 09/864,078.   |   |
|                    | C33      | Notice of Allowance dated May 17, 2005 from application number 10/602,135.  |   |
|                    | C34      | Office Action dated April 5, 2005 from application number 10/602,135.   |   |
|                    | C35      | Notice of Allowance dated March 9, 2006 from application number 10/602,136.   |   |
|                    | C36      | Office Action dated July 28, 2006 from application number 10/602,142.   |   |
|                    | C37      | Office Action dated September 20, 2007 from application number 10/602,142.  |   |
|                    | C38      | Office Action dated December 10, 2008 from application number 10/602,142.   |   |
|                    | C39      | Office Action dated November 15, 2005 from application number 10/602,142.   |   |

LAI-3012156v1

**EXAMINER  
SIGNATURE**

**DATE CONSIDERED**

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**LIST OF REFERENCES CITED BY APPLICANT**  
(Use several sheets if necessary)

|                             |                   |
|-----------------------------|-------------------|
| <b>Application Number</b>   | 10/602,691        |
| <b>Filing Date</b>          | June 20, 2003     |
| <b>First Named Inventor</b> | Sommadossi et al. |
| <b>Art Unit</b>             | 1623              |
| <b>Examiner Name</b>        | T.McIntosh III    |
| <b>Attorney Docket No.</b>  | 11874-043-999     |

**NON PATENT LITERATURE DOCUMENTS**

| *Examiner<br>Initials | Cite<br>No. | Include name of the author (in CAPITAL LETTERS), (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T |
|-----------------------|-------------|--|---|
|                       | C40         | Office Action dated March 29, 2007 from application number 10/602,142.   |   |
|                       | C41         | Office Action dated February 26, 2008 from application number 10/602,142.  |   |
|                       | C42         | Notice of Allowance dated December 28, 2005 from application number 10/602,692.  |   |
|                       | C43         | Office Action dated April 5, 2005 from application number 10/602,692.  |   |
|                       | C44         | Notice of Allowance dated December 27, 2005 from application number 10/602,693.  |   |
|                       | C45         | Office Action dated April 6, 2005 from application number 10/602,693.  |   |
|                       | C46         | Notice of Allowance dated December 27, 2005 from application number 10/602,694.  |   |
|                       | C47         | Office Action dated April 6, 2005 from application number 10/602,694.  |   |
|                       | C48         | Office Action dated September 10, 2004 from application number 10/602,976.   |   |
|                       | C49         | Office Action dated May 19, 2005 from application number 10/602,976.   |   |
|                       | C50         | Notice of Allowance dated October 13, 2005 from application number 10/602,976.   |   |
|                       | C51         | Office Action dated 8/15/2006 from application number 10/608,907.  |   |
|                       | C52         | Office Action dated 5/31/2007 from application number 10/608,907.  |   |
|                       | C53         | Office Action dated 1/28/2008 from application number 10/608,907.  |   |
|                       | C54         | Office Action dated November 26, 2008 from application number 10/608,907.  |   |
|                       | C55         | Office Action dated August 2, 2006 from application number 10/609,298.   |   |
|                       | C56         | Office Action dated July 10, 2008 from application number 10/609,298.  |   |
|                       | C57         | Office Action dated October 5, 2005 from application number 11/005,440.  |   |
|                       | C58         | Office Action dated December 5, 2006 from application number 11/005,440.   |   |
|                       | C59         | Office Action dated June 13, 2007 from application number 11/005,440.  |   |
|                       | C60         | Office Action dated October 16, 2007 from application number 11/005,440.   |   |
|                       | C61         | Office Action dated August 21, 2006 from application number 11/005,441.  |   |
|                       | C62         | Notice of Allowance dated June 22, 2007 from application number 11/005,441.  |   |
|                       | C63         | Notice of Allowance dated January 8, 2008 from application number 11/005,441.  |   |
|                       | C64         | Office Action dated August 7, 2006 from application number 11/005,442.   |   |
|                       | C65         | Office Action dated May 16, 2007 from application number 11/005,442.   |   |
|                       | C66         | Office Action dated November 28, 2007 from application number 11/005,442.  |   |

LA1-3012156v1

**EXAMINER  
SIGNATURE**

**DATE CONSIDERED**

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.